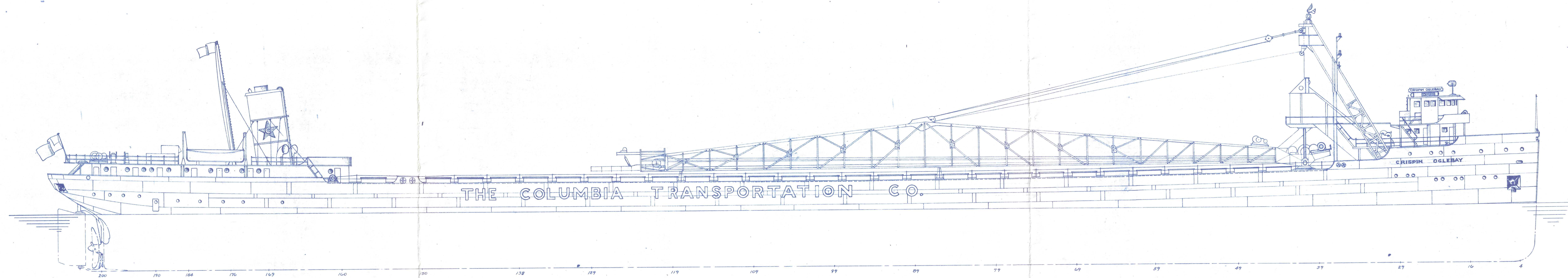




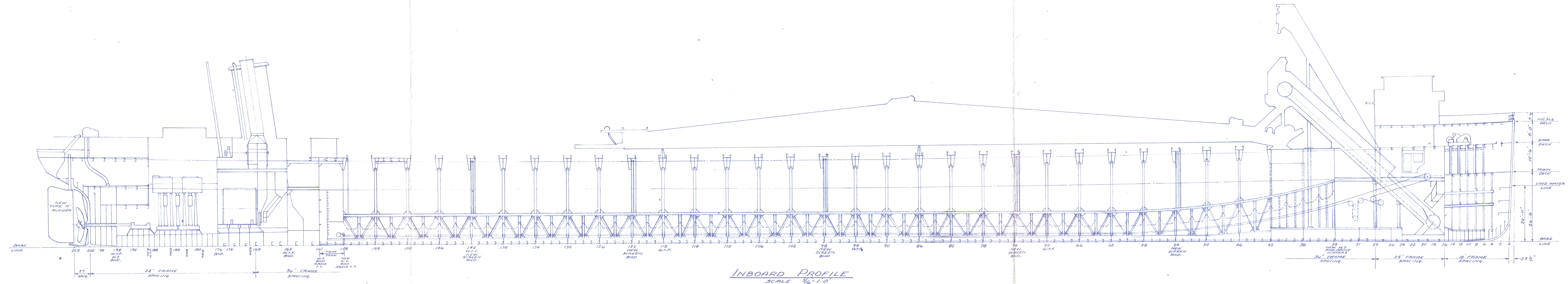
STR. "CRISPIN OGLEBAY" \$

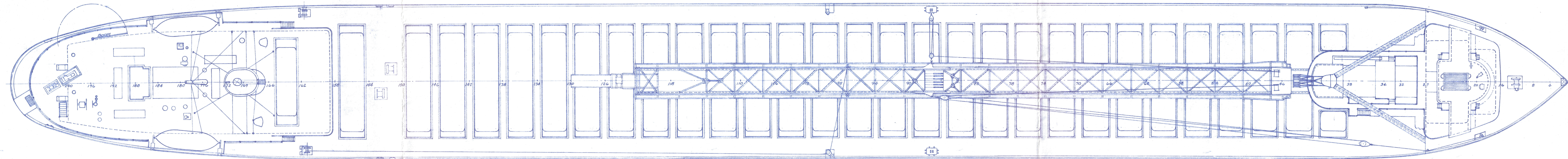
BOOKLET OF GENERAL PLANS
CONVERSION TO SELF-UNLOADER
THE AMERICAN SHIP BUILDING CO.
1948

1-INDEX OF PLANS
2-OUTBOARD PROFILE
3-INBOARD PROFILE
4-SPAR DECK PLAN
5-SECTION & DATA
6-MACHINERY ARRGT.



OUTBOARD PROFILE
SCALE $\frac{1}{16}" = 1'-0"$





PRINCIPAL CHARACTERISTICS

HULL

L.O.A. - 556'-9"
 L.B.P. - 540'-11 3/4"
 LENGTH ON KEEL - 532'-0"
 BEAM MOLDED - 58'-0"
 DEPTH MOLDED - 31'-0"
 DISPLACEMENT
 (MOLDED LONG TONS @)
 (SUMMER MAX. DRAFT, F.W.) 15,858
 CARGO DEADWEIGHT CAPACITY 10,000 LONG TONS
 MAX. SUMMER DRAFT 21'-1 3/8"
 MAX. SUMMER EMERGENCY DRAFT 21'-5 3/8"

COAL BUNKER CAPACITY

MAIN BUNKER 433 TONS
 2-DAY BUNKERS 13 1/2 TONS
 TOTAL - 446 1/2 TONS @
 42 CU. FT. & COAL
 TRIMMED @ 35°

UNLOADING EQUIPMENT

HOLD CONVEYORS

2 @ 10'-6" OFF & SHIP
 124 GATES 4'-10" x 3'-0"
 (MANUALLY OPERATED)
 SLIDING TYPE
 BELTS - 48" x 854'-0" LONG
 SPEED - 325 FT. PER MIN.
 MOTOR - 100 H.P., 900 R.P.M.
 CAPACITIES - 1100 LONG TONS
 PER HR @ 90°/CU. FT.
 MAX. SIZE OF MATERIAL - 20"

HOLD CONVEYOR TRANSFER

TO PAN ELEVATOR
 STEEL CHUTE
 MANTEN STEEL LINING.

PAN ELEVATOR

WIDTH OF PANS - 96"
 LENGTH OF CONVEYOR - 74'-2 5/8"
 MAX. SIZE OF MATERIAL - 20"
 CAPACITY - 2200 LONG TONS PER
 HOUR (@ 90°/CU. FT.)
 SPEED - 100 FT. PER MIN.
 MOTOR - 250 H.P., 690 R.P.M.

BOOM

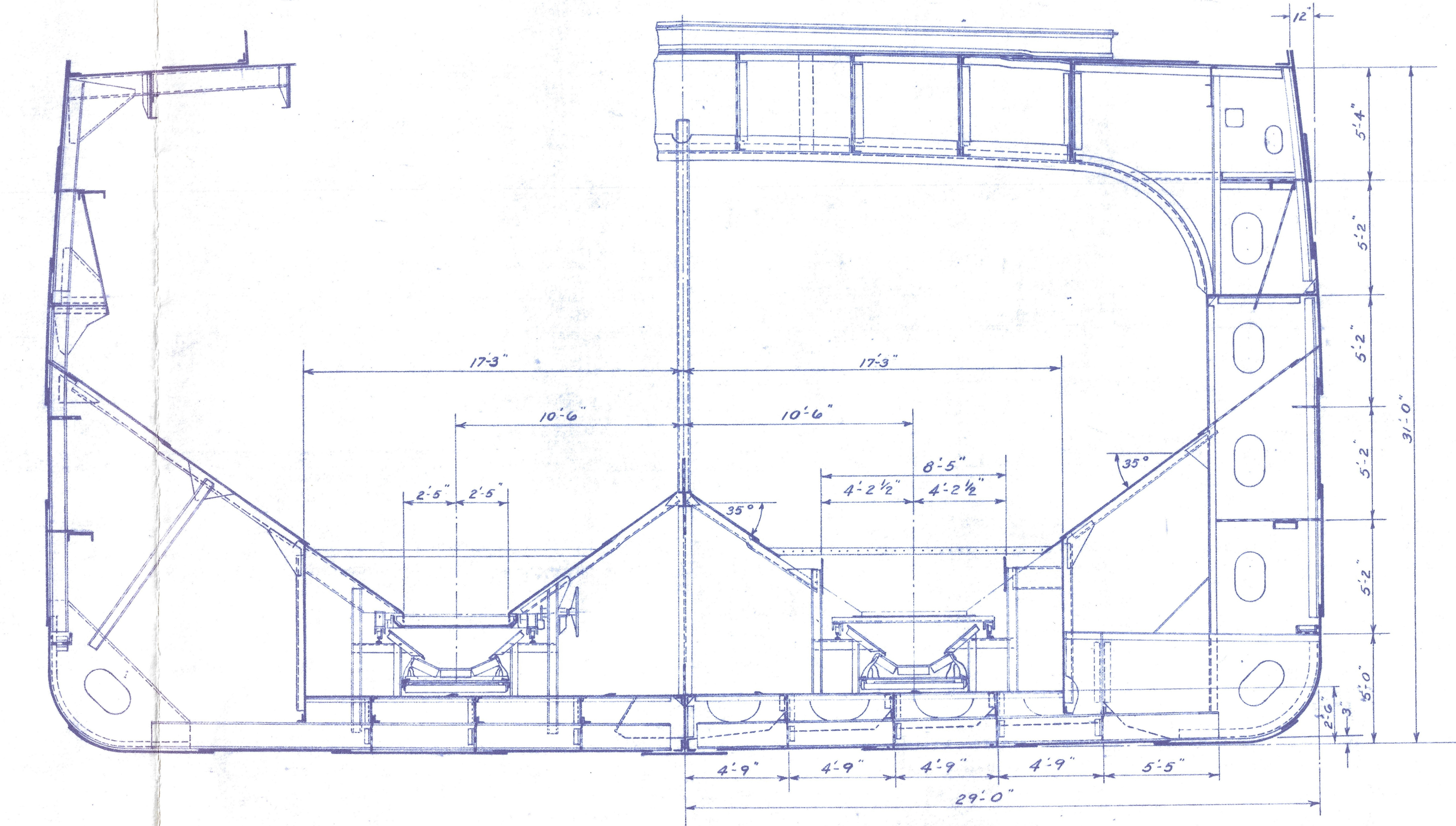
ALL WELDED HI TENSILE INTERMEDIATE
 MANGANESE STEEL.
 WIDTH OF BELT - 60"
 LENGTH OF CONVEYOR 240'-0"
 PORTABLE BOOM EXTENSION - 25'-0"
 MAX. SIZE OF MATERIAL - 20"
 MAX. LIFT - 18"
 MAX. SWING FROM & 113° PORT & 113° STBD.
 CAPACITY - 2200 LONG TONS PER HOUR (@ 90°/CU. FT.)
 SPEED OF BELT 425 FT. PER MIN.
 MOTOR - 300 H.P., 690 R.P.M.

CREW

CAPTAIN
 1ST MATE
 2ND MATE
 3RD MATE
 BOOM MAN
 ASST CONVEYORMAN
 3 WHEELSMEN
 3 WATCHMEN
 3 DECKWATCH
 3 DECKHANDS

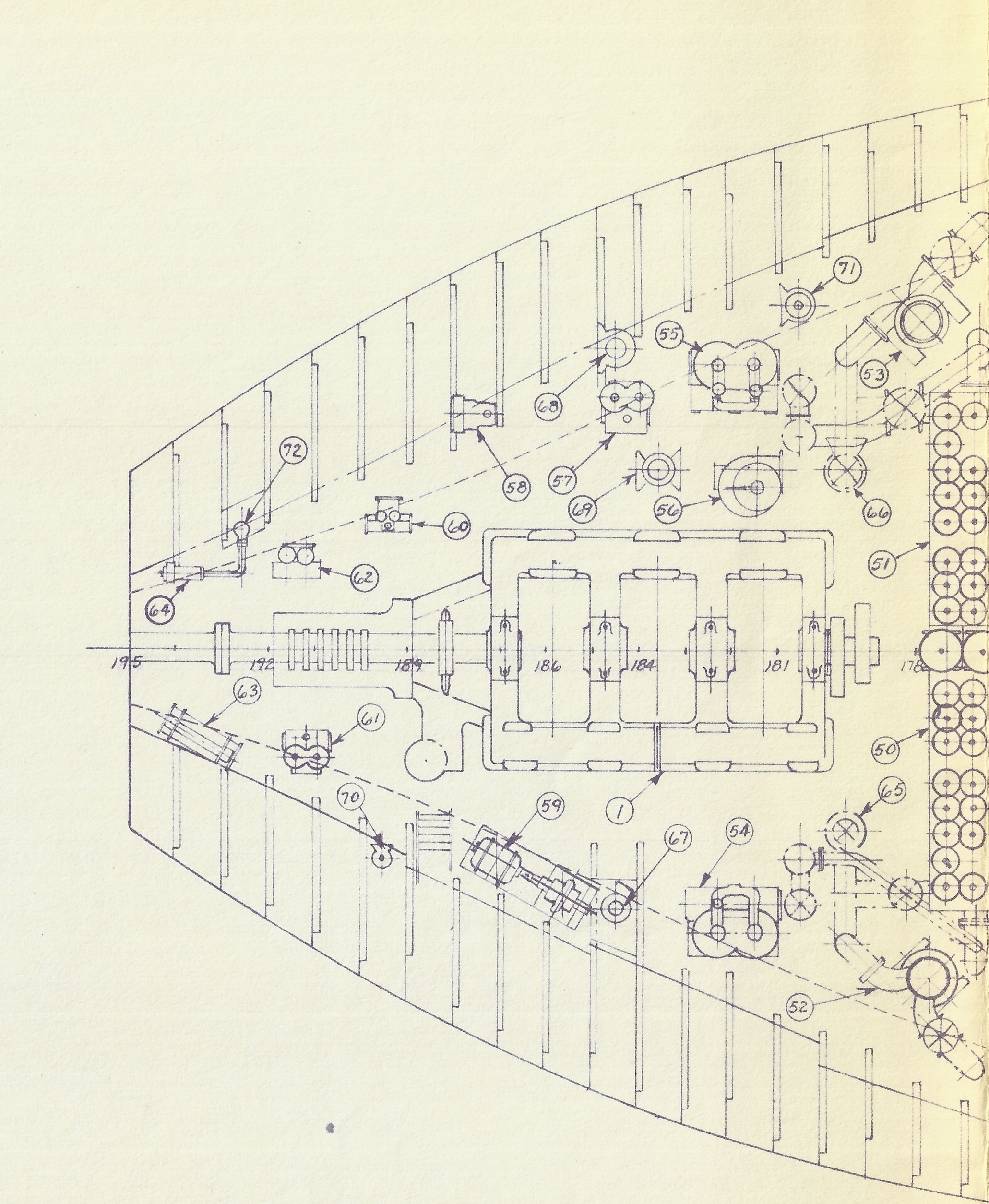
TOTAL - 39 MEN

CHIEF ENGINEER
 1ST ASST. ENGINEER
 2ND ASST. ENGINEER
 3RD ASST. ENGINEER
 ELECTRICIAN
 HANDYMAN
 2 GATEMEN
 3 FIREMEN
 3 OILERS
 3 COAL PASSERS
 STEWARD
 2ND COOK
 2 PORTERS



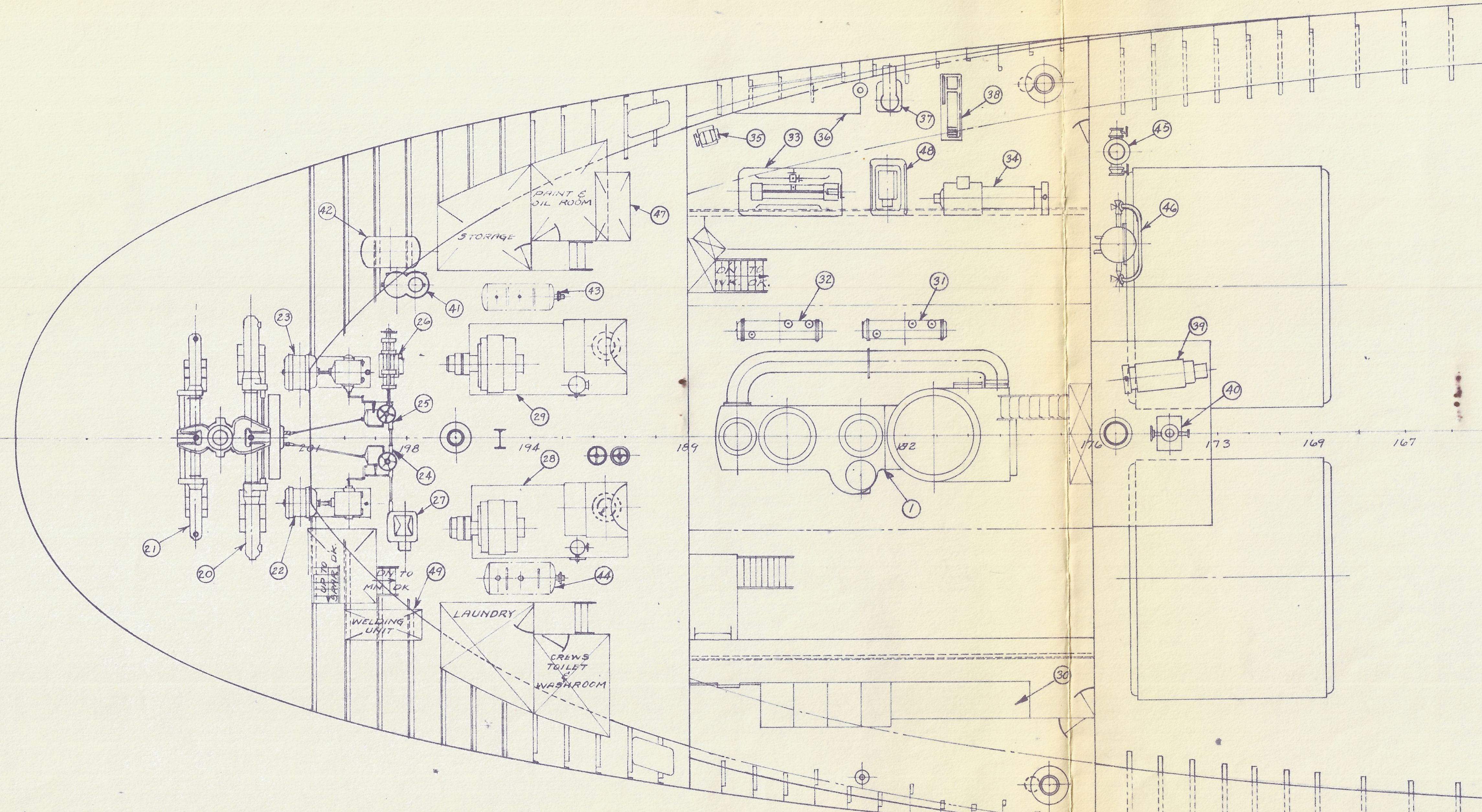
MIDSHIP SECTION & DATA

SCALE 3/16" = 1'-0"



ENGINE FLOOR PLAN

- 50 BALLAST MANIFOLD No. 1
- 51 BALLAST MANIFOLD No. 2
- 52 MAIN BALLAST PUMP No. 1
- 53 MAIN BALLAST PUMP No. 2
- 54 AUX. BALLAST PUMP No. 1
- 55 AUX. BALLAST PUMP No. 2
- 56 MAIN CIRC. PUMP
- 57 MAIN COND. PUMP
- 58 MAIN FEED PUMP
- 59 AUX. CIRC. PUMP
- 60 STAND-BY COND. PUMP
- 61 COOLER PUMP
- 62 AUX. COND. PUMP
- 63 BILGE PUMP
- 64 SANITARY FILLING PUMP
- 65 14" SEA-CHEST, No. 1 BALLAST
- 66 14" SEA-CHEST, No. 2 BALLAST
- 67 10" AUX. SEA-CHEST
- 68 12" HIGH SEA-CHEST, MAIN CIRC.
- 69 12" LOW SEA-CHEST, MAIN CIRC.
- 70 5" SEA-CHEST, COOLING
- 71 8" SEA-CHEST, AUX. BALLAST, FIRE & GEN. SER.
- 72 2 1/2" SEA-CHEST, SANITARY FILLING.

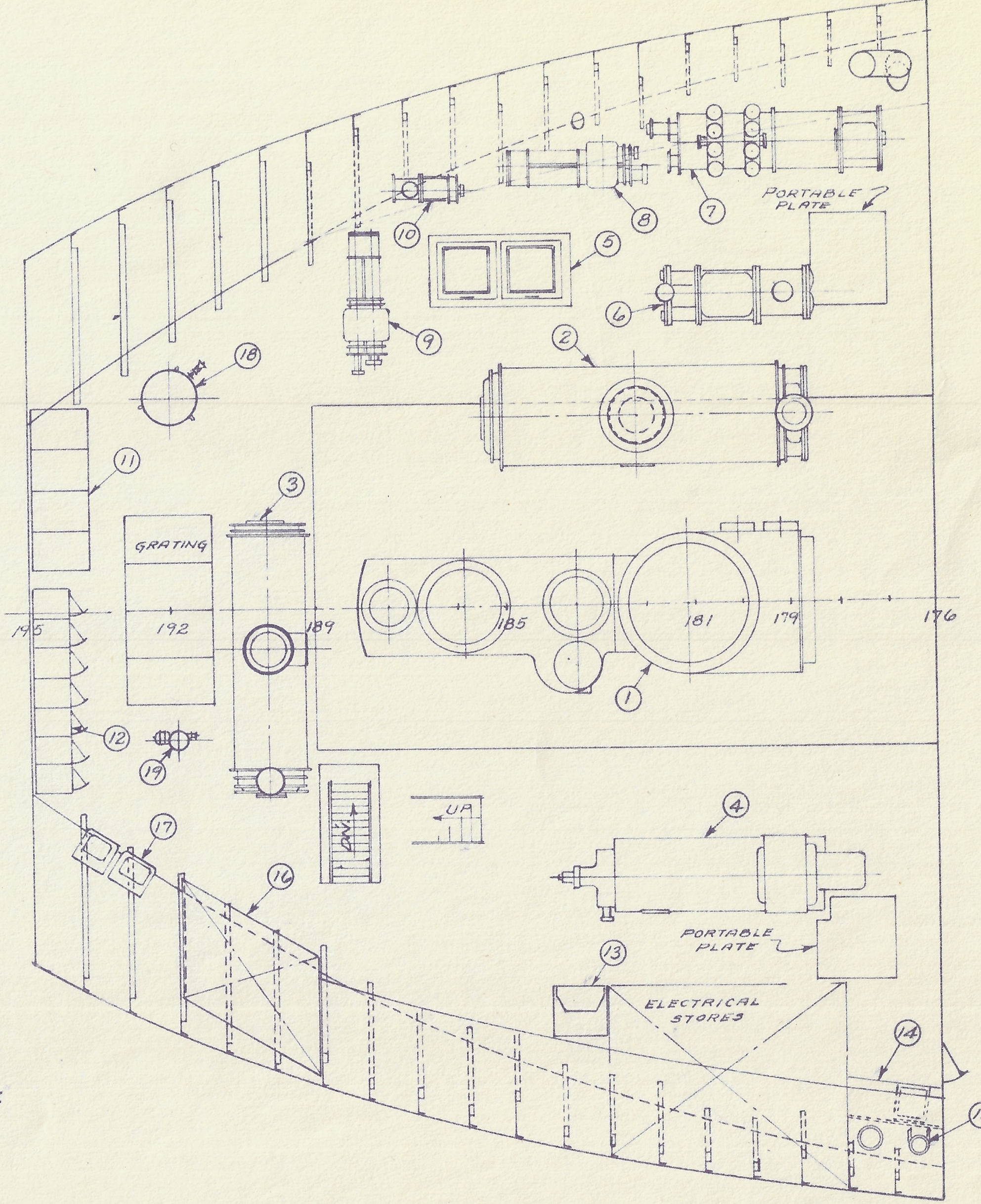


MAIN DECK

MACHINERY ARRANGEMENT

SCALE 1/8" = 1'-0"

- 1 MAIN ENGINE
- 2 MAIN CONDENSER
- 3 AUX. CONDENSER
- 4 100 KW GENERATOR
- 5 FEED & FILTER TANK
- 6 FIRE & TUNNEL FLUSHING TANK
- 7 GENERAL SERVICE PUMP
- 8 MATES PUMP
- 9 SANITARY PRESSURE PUMP
- 10 MAKE UP FEED
- 11 OIL STORAGE TANKS
- 12 LOCKERS
- 13 TELEPHONE BOOTH
- 14 WATER SAMPLING SINK
- 15 WATER SAMPLING COOLER
- 16 TOOL BOARD
- 17 WASH BASIN
- 18 SANITARY PRESSURE TANK
- 19 LUB. OIL PURIFIER
- 20 MAIN RAM
- 21 AUX. RAM
- 22 PUMP No. 1
- 23 PUMP No. 2
- 24 FOLLOW UP UNIT No. 1
- 25 FOLLOW UP UNIT No. 2
- 26 AFTER TELEMETER RECEIVER
- 27 SPERRY POWER UNIT
- 28 400 KW GENERATOR No. 1
- 29 400 KW GENERATOR No. 2
- 30 MAIN SWITCH BOARD
- 31 MAIN INTER. C. AFTER COND.
- 32 AUX. INTER. C. AFTER COND.
- 33 LATHE
- 34 30 KW DIESEL GEN.
- 35 GRINDER
- 36 WORK BENCH
- 37 DRILL PRESS
- 38 POWER HACK SAW
- 39 12 KW DIESEL GEN.
- 40 7-7 FAN ENGINE TYPE "A"
- 41 AIR COMPRESSOR
- 42 COMPRESSED AIR TANK
- 43 GALLEY HOT WATER TANK
- 44 SANITARY HOT WATER TANK
- 45 GREASE EXTRACTOR
- 46 FEED WATER HEATER
- 47 ICE MACHINE
- 48 SHAPER
- 49 WELDING UNIT.



WORKING DECK